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Nephila constricta

Kuntner, Matjaz

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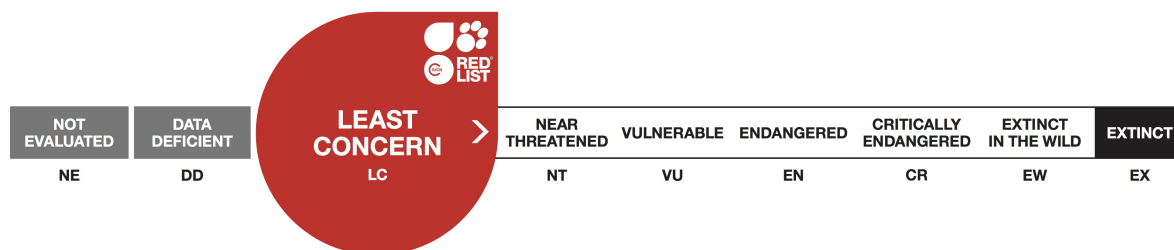
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Nephila constricta, Constricted Golden Orb Weaver

Assessment by: Kuntner, M., Rudolf, E. & Cardoso, P.



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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Arthropoda	Arachnida	Araneae	Nephilidae

Taxon Name: *Nephila constricta* Karsch, 1879

Common Name(s):

- English: Constricted Golden Orb Weaver

Taxonomic Source(s):

World Spider Catalog. 2016. World Spider Catalog, Version 17.0. Available at: <http://wsc.nmbe.ch>. (Accessed: January 25).

Assessment Information

Red List Category & Criteria: Least Concern [ver 3.1](#)

Year Published: 2017

Date Assessed: February 4, 2016

Justification:

The Constricted Golden Orb Weaver (*Nephila constricta*) is widely distributed in western and central Africa. It is estimated to be common within its distribution range and presumably occurs in pristine rainforests as well as in anthropogenically modified areas. It is therefore listed as Least Concern.

Geographic Range

Range Description:

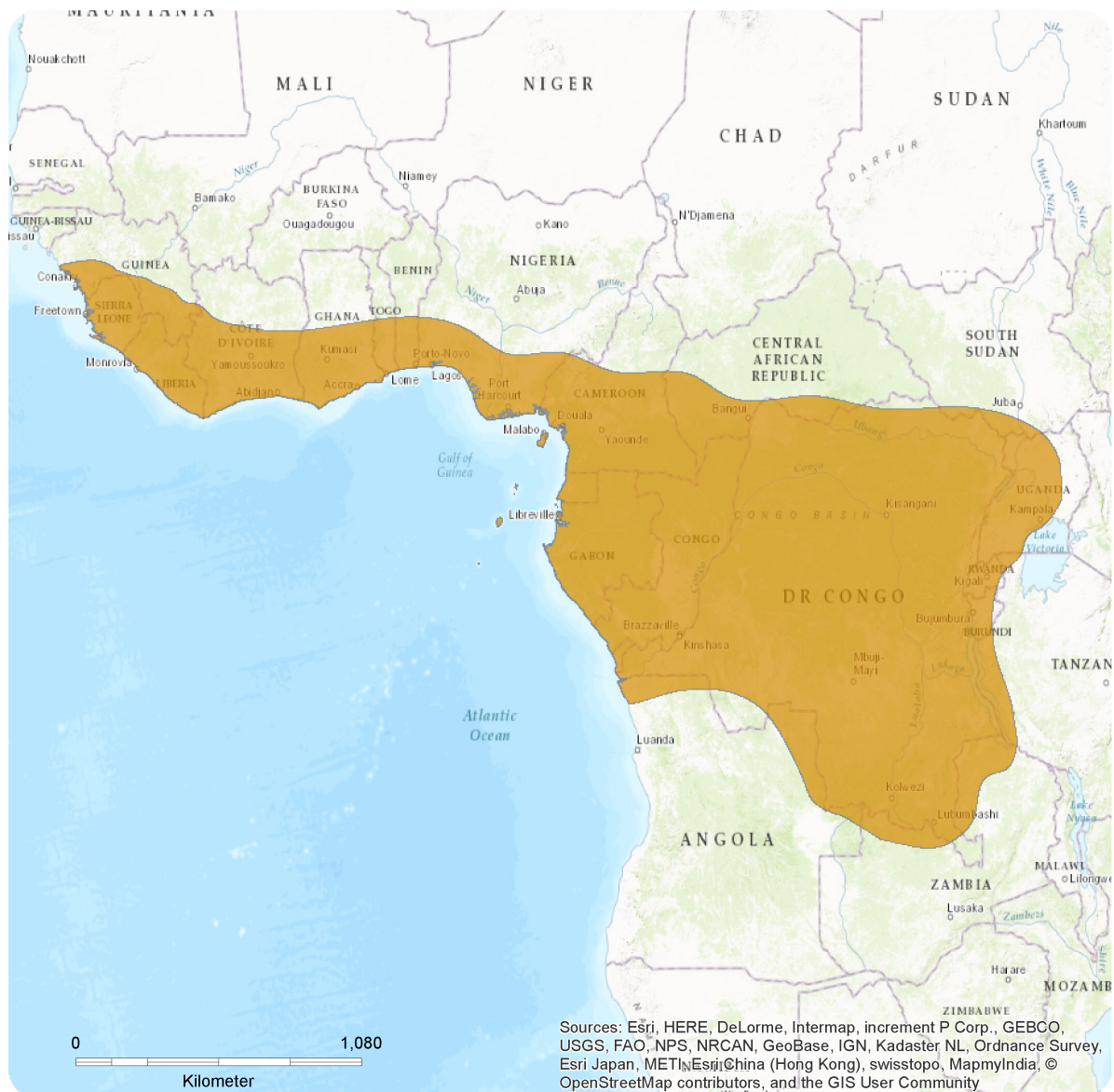
The species is widely distributed in central and western Africa. It has been reported from Guinea to Uganda and south to the Democratic Republic of Congo (Kuntner 2005). Based on the calculations of species distribution models, the extent of occurrence is estimated to be 6.1 million km², while the area of occupancy is estimated to be 2.5 million km².

Country Occurrence:

Native: Benin; Cameroon; Central African Republic; Congo; Congo, The Democratic Republic of the; Côte d'Ivoire; Equatorial Guinea; Gabon; Ghana; Guinea; Liberia; Nigeria; Sierra Leone; Togo; Uganda

Distribution Map

Nephila constricta

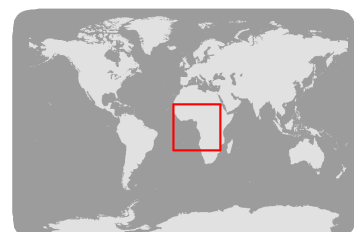


Range

■ Extant (resident)

Compiled by:

Matjaz Kuntner



The boundaries and names shown and the designations used on this map do not imply any official endorsement, acceptance or opinion by IUCN.



Population

Based on the number of records, the species is estimated to be common in its distribution range. The population trend is unknown.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)

The species occurs in rainforests as well as in secondary forests and anthropogenically modified habitats. It has been reported in elevations up to 1,400 Asl (M. Kuntner pers. comm. 2016).

Systems: Terrestrial

Use and Trade

This species is not utilised.

Threats (see Appendix for additional information)

The Constricted Golden Orb Weaver is presumably threatened by the loss of habitat due to deforestation within its distribution range (Hansen *et al.* 2013).

Conservation Actions (see Appendix for additional information)

No species-specific conservation measures are in place. The species occurs in several protected areas. Further research is needed on the ecology and distribution of the species.

Credits

Assessor(s): Kuntner, M., Rudolf, E. & Cardoso, P.

Reviewer(s): Mumford, N.

Bibliography

Hansen M. C., Potapov P. V., Moore R., Hancher M., Turubanova S. A., Tyukavina A., Thau D., Stehman S. V., Goetz S. J., Loveland T. R., Kommareddy A., Egorov A., Chini L., Justice C. O., and Townshend J. R. G. 2013. High-Resolution Global Maps of 21st-Century Forest Cover Change. Available at: <http://www.earthenginepartners.appspot.com/science-2013-global-forest>. (Accessed: 2014).

IUCN. 2017. The IUCN Red List of Threatened Species. Version 2017-1. Available at: www.iucnredlist.org.

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External Resources

For [Images and External Links to Additional Information](#), please see the Red List website.

Appendix

Habitats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Habitat	Season	Suitability	Major Importance?
0. Root -> 16. Introduced vegetation	Resident	Suitable	No
14. Artificial/Terrestrial -> 14.6. Artificial/Terrestrial - Subtropical/Tropical Heavily Degraded Former Forest	Resident	Suitable	No
14. Artificial/Terrestrial -> 14.4. Artificial/Terrestrial - Rural Gardens	Resident	Suitable	No
14. Artificial/Terrestrial -> 14.3. Artificial/Terrestrial - Plantations	Resident	Suitable	No
1. Forest -> 1.9. Forest - Subtropical/Tropical Moist Montane	Resident	Suitable	No
1. Forest -> 1.6. Forest - Subtropical/Tropical Moist Lowland	Resident	Suitable	No

Threats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Threat	Timing	Scope	Severity	Impact Score
2. Agriculture & aquaculture -> 2.1. Annual & perennial non-timber crops -> 2.1.1. Shifting agriculture	Ongoing	Minority (50%)	Slow, significant declines	Low impact: 5
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 2. Species Stresses -> 2.1. Species mortality		
2. Agriculture & aquaculture -> 2.1. Annual & perennial non-timber crops -> 2.1.2. Small-holder farming	Ongoing	Minority (50%)	Slow, significant declines	Low impact: 5
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 2. Species Stresses -> 2.1. Species mortality		
5. Biological resource use -> 5.3. Logging & wood harvesting -> 5.3.3. Unintentional effects: (subsistence/small scale) [harvest]	Ongoing	Minority (50%)	Slow, significant declines	Low impact: 5
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 2. Species Stresses -> 2.1. Species mortality		
5. Biological resource use -> 5.3. Logging & wood harvesting -> 5.3.4. Unintentional effects: (large scale) [harvest]	Ongoing	Minority (50%)	Rapid declines	Medium impact: 6
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 2. Species Stresses -> 2.1. Species mortality		

Conservation Actions in Place

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Conservation Actions in Place
In-Place Research, Monitoring and Planning
Action Recovery plan: No
Systematic monitoring scheme: No
In-Place Land/Water Protection and Management
Conservation sites identified: Yes, over part of range
Occur in at least one PA: Yes
Area based regional management plan: No
Invasive species control or prevention: No
In-Place Species Management
Harvest management plan: No
Successfully reintroduced or introduced benignly: No
Subject to ex-situ conservation: No
In-Place Education
Subject to recent education and awareness programmes: No
Included in international legislation: No
Subject to any international management/trade controls: No

Research Needed

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Research Needed
1. Research -> 1.2. Population size, distribution & trends
1. Research -> 1.3. Life history & ecology

Additional Data Fields

Distribution
Estimated area of occupancy (AOO) (km ²): 2497000
Extreme fluctuations in area of occupancy (AOO): No
Estimated extent of occurrence (EOO) (km ²): 6087000
Continuing decline in extent of occurrence (EOO): No
Extreme fluctuations in extent of occurrence (EOO): No
Lower elevation limit (m): 0

Distribution
Upper elevation limit (m): 1400
Population
Continuing decline of mature individuals: Unknown
Extreme fluctuations: No
Population severely fragmented: No
Continuing decline in subpopulations: Unknown
Extreme fluctuations in subpopulations: No
All individuals in one subpopulation: No
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: Yes
Movement patterns: Not a Migrant

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